

Date: Fri, 16 Sep 94 04:30:13 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #1029
To: Info-Hams

Info-Hams Digest Fri, 16 Sep 94 Volume 94 : Issue 1029

Today's Topics:

2m handhelds ??
[Q] Online SERA journal listings
Digital Recording with SoundBlaster
license wait update
Mic for Motorcycle Mobile
ORBS\$259.10F2.AMSAT
ORBS\$259.20F2.AMSAT
Tech call vs. Tech+ call.

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 15 Sep 1994 14:05:26 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!math.ohio-state.edu!
news.acns.nwu.edu!zammis.cas.nwu.edu!chaos@network.ucsd.edu
Subject: 2m handhelds ??
To: info-hams@ucsd.edu

Raymond L. Yoder <at732@cleveland.Freenet.Edu> wrote:

> I am planning on purchasing a 2m handheld in the near future.
>I think it's down to three radios I'm looking at. The Icom IC-T21A,
>Icom IC-2GXAT, or the Kenwood TH-22AT. Does anybody have any comments
>or experiences (good and/or bad) that could help me make my decision.
>I have never owned a handheld or a 2m rig, so I'm new at this.

I'm now studying for my Technician Plus. A friend and local ham has

convinced me that a good first rig for me would be a dual band (2m/70cm) handheld.

What do y'all recommend? Is there a FAQ on this, or a list?

Mike

Date: Tue, 13 Sep 1994 07:59:39 -0600
From: ihnp4.ucsd.edu!newshub.nosc.mil!crash!news.sprintlink.net!primenet!stat!
david@network.ucsd.edu
Subject: [Q] Online SERA journal listings
To: info-hams@ucsd.edu

From: jbate@rtp-nc.mentorg.com (John Bate)
Subject: [Q] Online SERA journal listings
Date: Tue, 13 Sep 1994 07:59:39 -0600
Organization: Mentor Graphics
Message-Id: <354b8b\$16h@newsgw.mentorg.com>

Where can I get an online version of the SERA journal repeater listings?

How about an online version of the ARRL repeater handbook listings?

Thanks for your help,

john, ki7hs/4

+-----+
| John G. Bate CAD Software Engineering | \-\-\|
| Mentor Graphics Corp., 2525 Meridian Pkwy, Durham, NC 27713 | | _o o
| email: jbate@mentorg.com, john_bate@mentorg.com | | _`<,_ <|
> o o o o | | ()/ () /
| Tel: (919)544-0200 Fax: (919)544-0701 |
\ /\ /\ /\ |
| part time bicycler (Trek), ham (ki7hs/4), and FULL time Dad |
~~~~~" " ' ' ' ' ' +-----+  
+-----+

Date: Wed, 14 Sep 94 11:37:16 MST  
From: ihnp4.ucsd.edu!newshub.nosc.mil!crash!news.sprintlink.net!primenet!stat!  
david@network.ucsd.edu  
Subject: Digital Recording with SoundBlaster  
To: info-hams@ucsd.edu

jnavary@nyx10.cs.du.edu (James Navary) writes:

> Lately I noticed an ad in the radio hobby magazines for a digital  
> "endless loop" recorder that provides 10 or 15 seconds of recording  
> time which are available for replay at the touch of a button. This  
> would be extremely handy for analyzing station identification, etc  
> when conditions are not the best.  
>  
> It seems to me that the same type of functionality should be fairly  
> easily obtained through software developed for the SoundBlaster or  
> other sound cards. Unfortunately, I am NOT a programmer and wouldn't  
> know where to begin.  
>  
> Is anyone aware of any software currently available which could  
> be put to this use?  
>  
> If none is currently available, any of you programming wizards care  
> to tackle this one?

The Soundblaster card comes with software that allows easy recording via the microphone input ... You can set the sample rate, and other characteristics ... don't see any reason this couldn't be easily done without any modification, except to run a audio output from a radio to the input of the Soundblaster card.

David wb7tpy

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Editor, HICNet Medical Newsletter  
Internet: david@stat.com FAX: +1 (602) 451-1165  
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Date: 15 Sep 94 16:48:54 PDT  
From: ihnp4.ucsd.edu!newshub.nosc.mil!crash!kaster!tbear@network.ucsd.edu  
Subject: license wait update  
To: info-hams@ucsd.edu

Took the test on 7/23 and received license 9/15 effective 9/7. Not as bad a wait as what I was expecting. I was told up to 16 weeks by the VE's at the test site

Lou Wasmund  
KE6LZS  
tbear@kaster.cts.com

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Date: Thu, 15 Sep 1994 13:48:57 GMT  
From: hplextra!news.dtc.hp.com!srgenprp!bsplaine@hplabs.hpl.hp.com  
Subject: Mic for Motorcycle Mobile  
To: info-hams@ucsd.edu

Richard Horwitz (rickhz@indirect.com) wrote:

: I want to use an Alinco DR1200 on my motorcycle and I was  
: wondering what other people are using for microphones on  
: their bikes. I'd like to hear about both hand mikes and boom mikes.  
:  
: Thanks

Hi Rich, I would suggest you get either a J&M or Cyclecomm. Mind you I have not used either yet... I am just going by what others are using. The hand mike has a couple of disadvantages... 1. You should have both hands controlling the bike (you knew that :^) and 2. Wind noise. Standard mikes are way too sensitive to use on a bike. Ever heard someone talking mobile on 2M with the windows rolled down in the car? All reports I have heard about the J&M are great.. this is the new model 157 as I remember. Some like the Cycle-Comm and others think they don't hold up as well as the J&M. Both seem to be priced about the same depending where you see the J&M's (~\$159) for the mike and stereo earphones that go inside the helmet. If you are looking for ham only (no music) you can get by with the less expensive J&M's at about (~\$129 or less) BUT these don't have their new mike that is more efficient at cancelling wind noise.

I will be installing one in my helmet this weekend (J&M). I have a bit more of a problem in that I have a Biefe Modular (one with the swing up chin guard) and that requires a longer microphone cable. I'll have to cut and splice a longer mic cord in and deal with an extra loop of cable that will always be in the way. It's either that or go to an open face unit and see if I can make that work.....

Hope that helps.... There is a group that meets on Tuesday afternoons on both 20M and 40M. The 20M group meets at 2200Z at 14260 usually + because that is the IOTA frequency and at 2300 on 7.260... this is usually the one I find myself checking into. Also there is a club in SoCal (L.A.) M.A.R.C. (Motorcycle Amateur Radio Club) It is at an inconvenient time for most day to day workers because of the time... currently 1600Pacific Coast time.. most people are still at work at that time.

Hope this helps some.... sorry I carried on so long.....

Bill/N6GHG

Date: 16 Sep 94 04:22:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: ORBS\$259.10F2.AMSAT  
To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-259.0  
Orbital Elements 259.0.OSCAR

HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES  
FROM WA5QGD FORT WORTH, TX September 16, 1994  
BID: \$ORBS-259.0  
TO ALL RADIO AMATEURS BT

Satellite: A0-10  
  Catalog number: 14129  
  Epoch time:       94252.59439904  
  Element set:      307  
  Inclination:       26.9025 deg  
  RA of node:       308.7787 deg  
  Eccentricity:      0.6028348  
  Arg of perigee:    209.6025 deg  
  Mean anomaly:      95.4428 deg  
  Mean motion:       2.05882336 rev/day  
  Decay rate:        -2.93e-06 rev/day^2  
  Epoch rev:          8452  
  Checksum:          325

Satellite: U0-11  
Catalog number: 14781  
Epoch time: 94255.06182888  
Element set: 730  
Inclination: 97.7855 deg  
RA of node: 265.7184 deg  
Eccentricity: 0.0012087  
Arg of perigee: 357.6882 deg  
Mean anomaly: 2.4263 deg  
Mean motion: 14.69244355 rev/day  
Decay rate: 1.56e-06 rev/day^2

Epoch rev: 56306  
Checksum: 332

Satellite: RS-10/11  
Catalog number: 18129  
Epoch time: 94255.05059726  
Element set: 956  
Inclination: 82.9201 deg  
RA of node: 264.6344 deg  
Eccentricity: 0.0012653  
Arg of perigee: 136.9370 deg  
Mean anomaly: 223.2773 deg  
Mean motion: 13.72341359 rev/day  
Decay rate: 3.6e-07 rev/day^2  
Epoch rev: 36182  
Checksum: 304

Satellite: A0-13  
Catalog number: 19216  
Epoch time: 94255.03141595  
Element set: 963  
Inclination: 57.7390 deg  
RA of node: 231.5483 deg  
Eccentricity: 0.7231710  
Arg of perigee: 350.0805 deg  
Mean anomaly: 0.9547 deg  
Mean motion: 2.09725791 rev/day  
Decay rate: -3.41e-06 rev/day^2  
Epoch rev: 4783  
Checksum: 301

Satellite: F0-20  
Catalog number: 20480  
Epoch time: 94252.88655732  
Element set: 724  
Inclination: 99.0508 deg  
RA of node: 28.7556 deg  
Eccentricity: 0.0541353  
Arg of perigee: 147.5974 deg  
Mean anomaly: 215.9600 deg  
Mean motion: 12.83227822 rev/day  
Decay rate: -1.5e-07 rev/day^2  
Epoch rev: 21499  
Checksum: 320

Satellite: A0-21  
Catalog number: 21087  
Epoch time: 94257.56810328

Element set: 512  
Inclination: 82.9382 deg  
RA of node: 76.5648 deg  
Eccentricity: 0.0034570  
Arg of perigee: 192.8788 deg  
Mean anomaly: 167.1488 deg  
Mean motion: 13.74544297 rev/day  
Decay rate: 9.4e-07 rev/day^2  
Epoch rev: 18186  
Checksum: 348

Satellite: RS-12/13  
Catalog number: 21089  
Epoch time: 94256.63978862  
Element set: 729  
Inclination: 82.9235 deg  
RA of node: 305.8575 deg  
Eccentricity: 0.0027867  
Arg of perigee: 220.4418 deg  
Mean anomaly: 139.4667 deg  
Mean motion: 13.74046259 rev/day  
Decay rate: 4.7e-07 rev/day^2  
Epoch rev: 18079  
Checksum: 357

Satellite: ARSENE  
Catalog number: 22654  
Epoch time: 94243.05287604  
Element set: 275  
Inclination: 2.0332 deg  
RA of node: 96.0279 deg  
Eccentricity: 0.2914017  
Arg of perigee: 190.0489 deg  
Mean anomaly: 163.3275 deg  
Mean motion: 1.42202991 rev/day  
Decay rate: -1.07e-06 rev/day^2  
Epoch rev: 226  
Checksum: 270

/EX  
SB KEPS @ AMSAT \$ORBS-259.D  
Orbital Elements 259.MICROS

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS  
FROM WA5QGD FORT WORTH, TX September 16, 1994  
BID: \$ORBS-259.D  
TO ALL RADIO AMATEURS BT

Satellite: U0-14  
Catalog number: 20437  
Epoch time: 94256.18653784  
Element set: 30  
Inclination: 98.5873 deg  
RA of node: 339.7558 deg  
Eccentricity: 0.0010573  
Arg of perigee: 296.4939 deg  
Mean anomaly: 63.5161 deg  
Mean motion: 14.29854833 rev/day  
Decay rate: 3.2e-07 rev/day^2  
Epoch rev: 24216  
Checksum: 330

Satellite: A0-16  
Catalog number: 20439  
Epoch time: 94256.72861379  
Element set: 828  
Inclination: 98.5962 deg  
RA of node: 341.6195 deg  
Eccentricity: 0.0010931  
Arg of perigee: 295.7954 deg  
Mean anomaly: 64.2096 deg  
Mean motion: 14.29908822 rev/day  
Decay rate: 3.3e-07 rev/day^2  
Epoch rev: 24225  
Checksum: 339

Satellite: D0-17  
Catalog number: 20440  
Epoch time: 94256.25450168  
Element set: 829  
Inclination: 98.5969 deg  
RA of node: 341.5049 deg  
Eccentricity: 0.0010807  
Arg of perigee: 295.8191 deg  
Mean anomaly: 64.1875 deg  
Mean motion: 14.30048524 rev/day  
Decay rate: 4.1e-07 rev/day^2  
Epoch rev: 24220  
Checksum: 305

Satellite: W0-18  
Catalog number: 20441  
Epoch time: 94256.72120652  
Element set: 831  
Inclination: 98.5965 deg  
RA of node: 341.9601 deg

Eccentricity: 0.0011533  
Arg of perigee: 295.2780 deg  
Mean anomaly: 64.7209 deg  
Mean motion: 14.30022420 rev/day  
Decay rate: 2.0e-07 rev/day^2  
Epoch rev: 24227  
Checksum: 271

Satellite: L0-19  
Catalog number: 20442  
Epoch time: 94252.77540811  
Element set: 826  
Inclination: 98.5978 deg  
RA of node: 338.3434 deg  
Eccentricity: 0.0011998  
Arg of perigee: 306.9748 deg  
Mean anomaly: 53.0335 deg  
Mean motion: 14.30119048 rev/day  
Decay rate: 9.0e-08 rev/day^2  
Epoch rev: 24172  
Checksum: 319

Satellite: U0-22  
Catalog number: 21575  
Epoch time: 94256.22189981  
Element set: 533  
Inclination: 98.4285 deg  
RA of node: 328.9113 deg  
Eccentricity: 0.0008458  
Arg of perigee: 32.3799 deg  
Mean anomaly: 327.7902 deg  
Mean motion: 14.36931169 rev/day  
Decay rate: 5.5e-07 rev/day^2  
Epoch rev: 16572  
Checksum: 337

Satellite: K0-23  
Catalog number: 22077  
Epoch time: 94256.02060840  
Element set: 426  
Inclination: 66.0831 deg  
RA of node: 96.0859 deg  
Eccentricity: 0.0015366  
Arg of perigee: 267.3404 deg  
Mean anomaly: 92.5856 deg  
Mean motion: 12.86287005 rev/day  
Decay rate: -3.7e-07 rev/day^2  
Epoch rev: 9808

Checksum: 310

Satellite: A0-27

Catalog number: 22825

Epoch time: 94256.75478020

Element set: 326

Inclination: 98.6474 deg

RA of node: 331.6469 deg

Eccentricity: 0.0008523

Arg of perigee: 316.8301 deg

Mean anomaly: 43.2207 deg

Mean motion: 14.27634167 rev/day

Decay rate: 2.7e-07 rev/day^2

Epoch rev: 5032

Checksum: 297

Satellite: I0-26

Catalog number: 22826

Epoch time: 94256.23874288

Element set: 324

Inclination: 98.6482 deg

RA of node: 331.1882 deg

Eccentricity: 0.0009071

Arg of perigee: 318.6418 deg

Mean anomaly: 41.4073 deg

Mean motion: 14.27738766 rev/day

Decay rate: 1.4e-07 rev/day^2

Epoch rev: 5025

Checksum: 314

Satellite: K0-25

Catalog number: 22830

Epoch time: 94256.71982330

Element set: 331

Inclination: 98.5473 deg

RA of node: 327.9662 deg

Eccentricity: 0.0010822

Arg of perigee: 279.6321 deg

Mean anomaly: 80.3637 deg

Mean motion: 14.28063011 rev/day

Decay rate: 3.5e-07 rev/day^2

Epoch rev: 5033

Checksum: 285

Satellite: 22828

Catalog number: 22828

Epoch time: 94252.72559872

Element set: 302

Inclination: 98.6426 deg  
RA of node: 327.7279 deg  
Eccentricity: 0.0010011  
Arg of perigee: 313.8817 deg  
Mean anomaly: 46.1535 deg  
Mean motion: 14.28064960 rev/day  
Decay rate: 8.0e-08 rev/day^2  
Epoch rev: 1784  
Checksum: 325

/EX

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Date: 16 Sep 94 04:24:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: ORBS\$259.20F2.AMSAT  
To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-259.W  
Orbital Elements 259.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES  
FROM WA5QGD FORT WORTH, TX September 16, 1994  
BID: \$ORBS-259.W  
TO ALL RADIO AMATEURS BT

Satellite: NOAA-9  
Catalog number: 15427  
Epoch time: 94257.84845830  
Element set: 954  
Inclination: 99.0428 deg  
RA of node: 309.3477 deg  
Eccentricity: 0.0014992  
Arg of perigee: 330.4925 deg  
Mean anomaly: 29.5400 deg  
Mean motion: 14.13642112 rev/day  
Decay rate: 6.6e-07 rev/day^2  
Epoch rev: 50292  
Checksum: 315

Satellite: NOAA-10  
Catalog number: 16969  
Epoch time: 94257.89909308  
Element set: 851  
Inclination: 98.5109 deg  
RA of node: 264.1700 deg  
Eccentricity: 0.0014258

Arg of perigee: 67.9309 deg  
Mean anomaly: 292.3385 deg  
Mean motion: 14.24904641 rev/day  
Decay rate: -2.0e-08 rev/day^2  
Epoch rev: 41527  
Checksum: 326

Satellite: MET-2/17  
Catalog number: 18820  
Epoch time: 94257.83805377  
Element set: 398  
Inclination: 82.5414 deg  
RA of node: 197.2658 deg  
Eccentricity: 0.0015782  
Arg of perigee: 294.2905 deg  
Mean anomaly: 65.6602 deg  
Mean motion: 13.84721005 rev/day  
Decay rate: 4.9e-07 rev/day^2  
Epoch rev: 33476  
Checksum: 336

Satellite: MET-3/2  
Catalog number: 19336  
Epoch time: 94254.54322014  
Element set: 324  
Inclination: 82.5334 deg  
RA of node: 262.5696 deg  
Eccentricity: 0.0019985  
Arg of perigee: 49.7129 deg  
Mean anomaly: 310.5735 deg  
Mean motion: 13.16967947 rev/day  
Decay rate: 5.1e-07 rev/day^2  
Epoch rev: 29462  
Checksum: 323

Satellite: NOAA-11  
Catalog number: 19531  
Epoch time: 94257.85815630  
Element set: 771  
Inclination: 99.1805 deg  
RA of node: 249.0011 deg  
Eccentricity: 0.0011042  
Arg of perigee: 241.6532 deg  
Mean anomaly: 118.3512 deg  
Mean motion: 14.13015678 rev/day  
Decay rate: 4.9e-07 rev/day^2  
Epoch rev: 30780  
Checksum: 278

Satellite: MET-2/18  
Catalog number: 19851  
Epoch time: 94255.02533406  
Element set: 325  
Inclination: 82.5159 deg  
RA of node: 74.6874 deg  
Eccentricity: 0.0014611  
Arg of perigee: 349.1081 deg  
Mean anomaly: 10.9756 deg  
Mean motion: 13.84371939 rev/day  
Decay rate: 2.9e-07 rev/day^2  
Epoch rev: 27970  
Checksum: 321

Satellite: MET-3/3  
Catalog number: 20305  
Epoch time: 94258.12687846  
Element set: 142  
Inclination: 82.5523 deg  
RA of node: 207.7831 deg  
Eccentricity: 0.0007106  
Arg of perigee: 72.5262 deg  
Mean anomaly: 287.6616 deg  
Mean motion: 13.04422462 rev/day  
Decay rate: 4.4e-07 rev/day^2  
Epoch rev: 23462  
Checksum: 284

Satellite: MET-2/19  
Catalog number: 20670  
Epoch time: 94256.20293591  
Element set: 828  
Inclination: 82.5479 deg  
RA of node: 138.5756 deg  
Eccentricity: 0.0014481  
Arg of perigee: 261.3222 deg  
Mean anomaly: 98.6297 deg  
Mean motion: 13.84182199 rev/day  
Decay rate: 2.0e-08 rev/day^2  
Epoch rev: 21279  
Checksum: 330

Satellite: FY-1/2  
Catalog number: 20788  
Epoch time: 94257.79387177  
Element set: 86  
Inclination: 98.8256 deg

RA of node: 275.0575 deg  
Eccentricity: 0.0016306  
Arg of perigee: 121.8026 deg  
Mean anomaly: 238.4860 deg  
Mean motion: 14.01334183 rev/day  
Decay rate: -2.7e-07 rev/day^2  
Epoch rev: 20625  
Checksum: 318

Satellite: MET-2/20  
Catalog number: 20826  
Epoch time: 94257.98215621  
Element set: 837  
Inclination: 82.5203 deg  
RA of node: 74.5360 deg  
Eccentricity: 0.0013544  
Arg of perigee: 150.5734 deg  
Mean anomaly: 209.6189 deg  
Mean motion: 13.83588783 rev/day  
Decay rate: 1.5e-07 rev/day^2  
Epoch rev: 20017  
Checksum: 304

Satellite: MET-3/4  
Catalog number: 21232  
Epoch time: 94256.10338615  
Element set: 735  
Inclination: 82.5390 deg  
RA of node: 107.4507 deg  
Eccentricity: 0.0013397  
Arg of perigee: 331.8928 deg  
Mean anomaly: 28.1470 deg  
Mean motion: 13.16464319 rev/day  
Decay rate: 5.0e-07 rev/day^2  
Epoch rev: 16292  
Checksum: 289

Satellite: NOAA-12  
Catalog number: 21263  
Epoch time: 94257.80960141  
Element set: 180  
Inclination: 98.6114 deg  
RA of node: 283.5903 deg  
Eccentricity: 0.0013050  
Arg of perigee: 341.3322 deg  
Mean anomaly: 18.7377 deg  
Mean motion: 14.22447217 rev/day  
Decay rate: 1.01e-06 rev/day^2

Epoch rev: 17324  
Checksum: 264

Satellite: MET-3/5  
Catalog number: 21655  
Epoch time: 94254.97812439  
Element set: 740  
Inclination: 82.5461 deg  
RA of node: 55.4385 deg  
Eccentricity: 0.0013599  
Arg of perigee: 345.4771 deg  
Mean anomaly: 14.5955 deg  
Mean motion: 13.16833558 rev/day  
Decay rate: 5.1e-07 rev/day^2  
Epoch rev: 14788  
Checksum: 336

Satellite: MET-2/21  
Catalog number: 22782  
Epoch time: 94256.19645572  
Element set: 336  
Inclination: 82.5492 deg  
RA of node: 136.7087 deg  
Eccentricity: 0.0023468  
Arg of perigee: 343.1815 deg  
Mean anomaly: 16.8563 deg  
Mean motion: 13.83014610 rev/day  
Decay rate: 7.0e-08 rev/day^2  
Epoch rev: 5225  
Checksum: 302

/EX  
SB KEPS @ AMSAT \$ORBS-259.M  
Orbital Elements 259.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES  
FROM WA5QGD FORT WORTH, TX September 16, 1994  
BID: \$ORBS-259.M  
TO ALL RADIO AMATEURS BT

Satellite: POSAT  
Catalog number: 22829  
Epoch time: 94252.73268152  
Element set: 317  
Inclination: 98.6449 deg  
RA of node: 327.7537 deg  
Eccentricity: 0.0009768  
Arg of perigee: 314.2350 deg

Mean anomaly: 45.8028 deg  
Mean motion: 14.28039306 rev/day  
Decay rate: 2.8e-07 rev/day^2  
Epoch rev: 4976  
Checksum: 321

Satellite: MIR  
Catalog number: 16609  
Epoch time: 94258.20132585  
Element set: 760  
Inclination: 51.6475 deg  
RA of node: 96.0036 deg  
Eccentricity: 0.0002326  
Arg of perigee: 32.7325 deg  
Mean anomaly: 327.3803 deg  
Mean motion: 15.57072087 rev/day  
Decay rate: 1.1449e-04 rev/day^2  
Epoch rev: 49004  
Checksum: 287

Satellite: HUBBLE  
Catalog number: 20580  
Epoch time: 94257.53621302  
Element set: 535  
Inclination: 28.4700 deg  
RA of node: 22.0113 deg  
Eccentricity: 0.0005836  
Arg of perigee: 303.4953 deg  
Mean anomaly: 56.5074 deg  
Mean motion: 14.90673511 rev/day  
Decay rate: 6.34e-06 rev/day^2  
Epoch rev: 4273  
Checksum: 258

Satellite: GRO  
Catalog number: 21225  
Epoch time: 94252.65438587  
Element set: 138  
Inclination: 28.4641 deg  
RA of node: 5.6223 deg  
Eccentricity: 0.0003737  
Arg of perigee: 93.8816 deg  
Mean anomaly: 266.2210 deg  
Mean motion: 15.41231043 rev/day  
Decay rate: 3.008e-05 rev/day^2  
Epoch rev: 6998  
Checksum: 284

Satellite: UARS  
Catalog number: 21701  
Epoch time: 94258.22624635  
Element set: 590  
Inclination: 56.9863 deg  
RA of node: 158.2439 deg  
Eccentricity: 0.0004476  
Arg of perigee: 99.4932 deg  
Mean anomaly: 260.6616 deg  
Mean motion: 14.96419398 rev/day  
Decay rate: -1.436e-05 rev/day^2  
Epoch rev: 16441  
Checksum: 329

/EX

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Date: Thu, 15 Sep 1994 16:05:37 GMT  
From: newsgate.melpar.esys.com!melpar!phb@uunet.uu.net  
Subject: Tech call vs. Tech+ call.  
To: info-hams@ucsd.edu

Peter Coffee WA20JL/AE <72631.113@CompuServe.COM> writes:

>As I recall from my upgrade in June, you have to specifically  
>check the box asking for "systematic reassignment" of your call  
>sign, and initial next to that box. Presumably to make sure  
>that no one ever loses a treasured call without asking for  
>that to happen.

That's right. If it were the other way around, and you had to ask **\*not\*** to get a new call, the FCC would doubtless be faced with a lot of requests for reinstatement of a previous call by those who failed to read the form completely. This way, the only possible reason for wanting a call reinstated would be that the applicant read the form but didn't understand it, which is a pretty weak reason and the FCC could simply refuse to process a reinstatement.

73,

Paul, K4MSG

"Ignorance can be fixed, but stupid is forever....."

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End of Info-Hams Digest V94 #1029

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